D1 of less than about 7.0%, a mean oleic acid content of at least 64.9%, and a mean linoleic acid content of 27.4% or less, by weight relative to the total fatty acid content of said seed.

Claim 4

D2 The assemblage of corn seeds according to claim 1, wherein said seeds are obtained from a plant or plants belonging to the LS0417 (ATCC Accession No. PTA-1397) corn line.

Claim 5

D3 The assemblage of corn seeds according to claim 1, wherein said seeds are obtained from a plant or plants belonging to the LS1498 (ATCC Accession No. PTA-1396) corn line.

Claim 6

D4 A corn plant, belonging to a corn line selected from the group consisting of LS0417 (ATCC Accession No. PTA-1397), LS1498 (ATCC Accession No. PTA-1396), LS288 (ATCC Accession No. PTA-3642), said plant producing seeds having a mean saturate content of less than about 7.0%, a mean oleic acid content of at least 64.9%, and a mean linoleic acid content of 27.4% or less, by weight relative to the total fatty acid content of said seeds.

Claim 10

D5 The corn plant according to claim 6, wherein said corn plant belongs to the LS0417 (ATCC Accession No. PTA-1397) corn line.

Claim 11

D6 The corn plant according to claim 6, wherein said corn plant belongs to the LS1498 (ATCC Accession No. PTA-1396) corn line.

Claim 16

D7 A method for producing low saturate corn material comprising the steps of:

(a) obtaining a plurality of corn seeds, from a plant or plants belonging to a corn line selected

from the group consisting of LS0417 (ATCC Accession No. PTA-1397), LS1498 (ATCC Accession No. PTA-1396), LS288 (ATCC Accession No. PTA-3642), said corn seeds having a mean saturate content of less than about 7.0%, a mean oleic acid content of at least 64.9%, and a mean linoleic acid content of 27.4% or less;

(b) growing out said plurality of corn seeds to obtain a population of corn plants;

D7

(c) intermating plants from said population to produce first seeds;

(d) subjecting said first seeds to selection based on saturate content, such that a predetermined saturate percentage of said first seeds is retained to obtain a group of selected seeds;

(e) growing said selected seeds into plants;

(f) intermating said plants to produce second seeds; and

(g) with said second seeds obtained, repeating steps (b), (c), (d), (e), and (f) at least once, whereby plants producing seeds that have a mean saturate content of less than about 7.0% by weight are obtained.

Claim 18

The assemblage of corn seeds according to claim 1, wherein said seeds are obtained from a plant or plants belonging to the LS288 (ATCC Accession No. PTA-3642) corn line.

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Claim 19

The corn plant according to claim 6, wherein said plant belongs to the LS288 (ATCC Accession No. PTA-3642) corn line.

Claim 20

The method according to claim 16, wherein said corn seeds are obtained from a plant or plants from the LS0417 (ATCC Accession No. PTA-1397) corn line.

Claim 21

The method according to claim 16, wherein said corn seeds are obtained from a plant or plants from the LS1498 (ATCC Accession No. PTA-1396) corn line.

Claim 22

22. (amended) The method according to claim 16, wherein said corn seeds are obtained from a plant or plants from the LS288 (ATCC Accession No. PTA-3642) corn line.

Please add the following new claims:

23. A method for developing a corn plant in a corn plant breeding program using plant breeding techniques, which includes employing a corn plant, or its parts, as a source of plant breeding material, comprising:

obtaining a corn plant of claim 6, or parts of a corn plant of claim 6 as a source of said breeding material.

24. A method for producing a first generation hybrid maize seed comprising the steps of : crossing a plant according to claim 6 with a different inbred parent maize plant and harvesting the resultant first generation hybrid maize seed.

25. The method of claim 24, wherein the corn plant of claim 6 is the female or male parent.

26. An F1 hybrid seed produced by crossing a corn plant according to claim 6 with another, different corn plant.

27. An F1 hybrid plant, or parts thereof, grown from the seed of claim 26.

Please cancel claims 7-9, without prejudice.